CFP2000 Result

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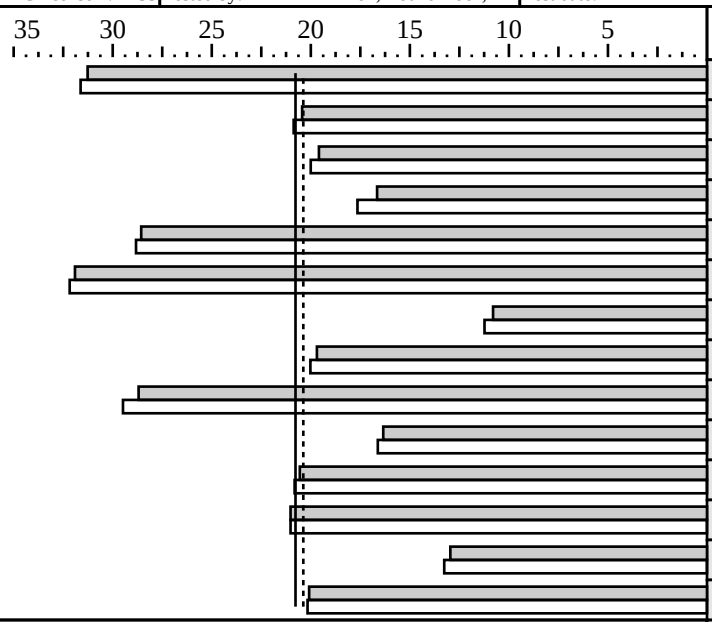
Dell

PowerEdge 2650 (3.06 GHz Xeon, 1MB L3)

SPECfp_rate2000 = 20.8

SPECfp_rate_base2000 = 20.4

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Oct-2003 | Hardware Avail: Jul-2003 | Software Avail: Apr-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	119	31.3	2	117	31.6
171.swim	2	352	20.4	2	345	20.9
172.mgrid	2	213	19.6	2	209	20.0
173.applu	2	293	16.7	2	276	17.6
177.mesa	2	114	28.6	2	113	28.8
178.galgel	2	211	31.9	2	209	32.2
179.art	2	559	10.8	2	537	11.2
183.equake	2	153	19.7	2	151	20.0
187.facerec	2	154	28.7	2	150	29.5
188.ammp	2	312	16.3	2	307	16.6
189.lucas	2	226	20.6	2	223	20.8
191.fma3d	2	232	21.0	2	232	21.0
200.sixtrack	2	197	13.0	2	192	13.3
301.apsi	2	300	20.1	2	299	20.2

Hardware

CPU:	Intel Pentium Xeon (533 MHz system bus)
CPU MHz:	3066
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4 X 512MB DDR266
Disk Subsystem:	1 x 17GB Ultra3 Seagate SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Server (SP2)
Compiler:	Intel C++ Compiler 7.1 (20030402Z) Intel Fortran Compiler 7.1 (20030402Z) Microsoft Visual Studio .NET (7.0.9466)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY
  178.galgel:   -FI /F32000000
FEEDBACK DIRECTED OPTMIZATION
  FDO:          PASS1=  -Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C/F77/F90:    -Qipo -QxW -O3 +FDO
PEAK TUNING
  168.wupwise:  -Qipo -QxW  -O3 +FDO
  171.swim:     -Qipo -QxW  -O3 +FDO
  172.mgrid:    -Qipo -QaxW -O3 +FDO
  173.applu:    -Qipo -QxW  -O3 -Qscalar_rep- -Qauto +FDO
  177.mesa:      PASS1= -Qprof_gen PASS2= -Qipo -Qprof_use -QxW -O3 -Oa
  178.galgel:   -Qipo -QxW  -O3 +FDO
  179.art:      -Oa -Qipo -Qunroll4 -Zp4
  183.equake:   -QxW -Oa -Qrcd -Qipo +FDO
  187.facerec:  -O3 -QaxW -Qipo -Qunroll1 -Qscalar_rep- +FDO
  188.ammp:     -Oa -QxW
```

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Notes/Tuning Information (Continued)

```
  189.lucas:    -Qipo -QaxW
  191.fma3d:    basepeak=yes
  200.sixtrack: -Qipo -QxW  +FDO
  301.apsi:     -Qipo -QxW  -O3 +FDO
ONESTEP=YES is set for all benchmarks
Hyper-Threading Technology disabled in BIOS
```